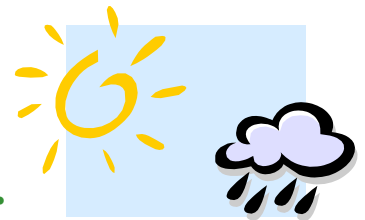


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Elastomeric Roofing Systems, Inc.



Project Profile - Aarmor Roofing

PROJECT: Steel Processor / Fabricator

CONTRACTOR: Aarmor Roofing, Rich Hume

SYSTEM: Acrylic Metal Roof Restoration

2001 Phase: 350 SQ

When the owner of this 30 year old steel processing facility saw that he was losing roofing fasteners and gaining leaks, he called Aarmor Roofing of Englewood CO. Rich Hume, President of Aarmor, recommended using ERSYSTEMS Metal Roof Restoration System. Rust prevention, low labor cost, high

Primer. The EG 2000 primer encapsulates and stops rust while providing an excellent adhering surface for the finish coat application. Next, over 10,000 fasteners were replaced before HER2000 Polyurethane Seam Sealer was extruded and brushed over the seams, around penetrations, and over the fasteners.



The high solids polyurethane, HER 2000, has incredible elongation and tensile properties coupled with tenacious adhesion. Finally, 2.5 gallons per SQ of Eraguard 1000 White Acrylic were applied over the field of the roof. One of five ENERGY STAR® certified products from ERSYSTEMS, Eraguard 1000 White Acrylic combines reflectivity, durability, and performance. Aarmor

reflectivity, and outstanding performance were all factors that made ERSYSTEMS the obvious choice.

“It is noticeably cooler inside during the afternoon”

Production Foreman

Roofing was thrilled with the ease of application and low labor requirement.

Initially the roof was power washed, and primed with Eraguard 2000 Modified Acrylic

While the restoration was in progress, the roof was

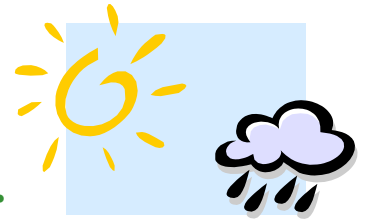


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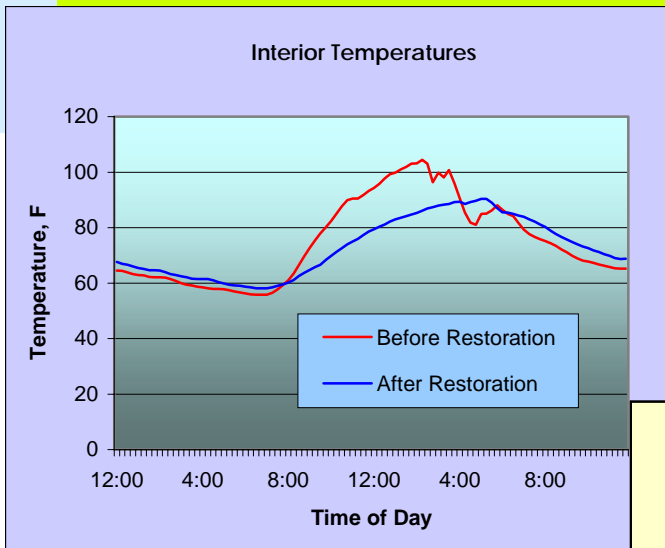
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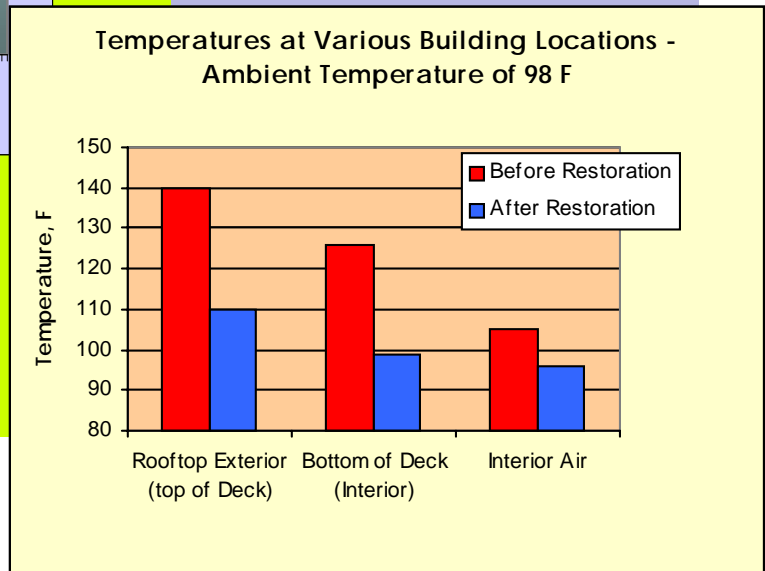
instrumented with thermal couples so temperature changes before and after the restoration could be compared. The thermal couples were attached to the upper

were measured at 97°F and roof deck temperatures were measured at 148°F. **This was a difference of 51°F!** After the restoration was complete, even the hottest days in July heated the deck to just 110°F!



The real story though, is on the inside of the building. Before the restoration, the interior temperatures were measured consistently over 100°F, often times reaching temperatures over 106°F. After the restoration was complete, the average temperature was in the low 90's. **Interior temperatures were lowered by 10°F!**

and lower surface of the deck as well as three feet off of the deck (both above and below). The instrumentation was able to acquire ambient air temperature, roof deck temperature, and interior temperature.



The results were fantastic! "As soon as the White Eraguard 1000 was applied, the customer could tell the difference," remarked Hume. "Not only did their leaks stop when the HER was applied, but the building temperature was dropped with the application of the Eraguard 1000. The facility production foreman commented on the temperature drop almost immediately."

The graphs demonstrate the dramatic results. Roof deck temperatures were dropped by an average of over 30°F. On extreme days in May of '01, ambient air temperatures

Selecting ERSYSTEMS Metal Roof Restoration System made sense. The owner has a premier roof system applied by a premier contractor that will provide un-

matched value and maximize performance.

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